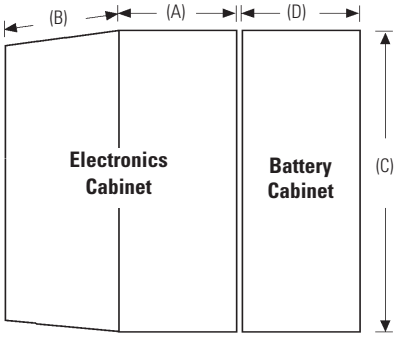
LOT Series Uninterruptible Power Supplies **LOT**

5 kVA - 10 kVA Single Phase UPS System

Operates incandescent, magnetic and electronic ballast fluorescent, high power factor compact fluorescent, and high intensity discharge (HID) lamp types.



kVA	5.0	7.5-10
Width (A)	36"	36"
Depth (B)	24"	24"
Height (C)	80"	80"
Width (D)	N/A	29"

How to Specify:

LOT

SERIES
LOT = Single Phase Uninterruptible Power Supplies

INPUT VOLTAGE
A = 120 V*
G = 120/240V
J = 277 V
L = 120/208V

OUTPUT VOLTAGE
A = 120 V*
G = 120/240V
J = 277 V
L = 120/208V
Y = 120/277V

UNIT SIZE
5.0 = 5.0 kVA
7.5 = 7.5 kVA
10.0 = 10.0 kVA

BACK-UP DURATION
S = 90 min
X = 10 min
Y = 20 min

NOL
0 = None
1 = Yes
T = NOL w/ TDT

OUTPUT CKT BRKRS
00X = Hardwire
01X = 1 OCB
02X = 2 OCB
03X = 3 OCB
04X = 4 OCB
:
:
20X = 20 OCB

01A = 1 OCBA
02A = 2 OCBA
03A = 3 OCBA
:
:
10A = 10 OCBA
Max. Pole Spaces 20

 # ON 2ND VOLTAGE
00 = 2nd Voltage Hardwire or no 2nd Voltage
01
02
03
:
:
19

 # OF NOL CKT BRKRS
A = 1
B = 2
C = 3
D = 4
E = 5
F = 6
G = 7
H = 8
I = 9
J = 10
K = 11
L = 12
M = 13
N = 14
O = 15
P = 16
Q = 17
R = 18
S = 19
T = 20
Z = No NOL

NOL VOLTAGE
1 = First
2 = Second
3 = Both
0 = No NOL

 # OF NOL 2nd VOLTAGE
A = 1
B = 2
C = 3
D = 4
E = 5
F = 6
G = 7
H = 8
I = 9
J = 10
K = 11
L = 12
M = 13
N = 14
O = 15
P = 16
Q = 17
R = 18
S = 19
Z = No NOL

* Not available on 7.5 and 10.0 kVA

Overall Characteristics

- 87% throughput efficiency, 85% emergency efficiency
- Operating temperature range 32°F (0°C) to 104°F (40°C)
- Fault current rating 42kAIC
- Audible noise less than 50dB at 3 ft on "A" weighted scale
- Automatic low battery voltage disconnect

Electrical

- Sine Wave Output
- Double conversion, no interruption
- Voltage regulation ±2%
- Frequency regulation - synchronized to utility, free running 60 Hz, ±0.5%
- Output voltage distortion maximum 3% THD with linear load
- Load power factor capability 0.7 lead to 0.7 lag
- Overload capacity 125% for 10 seconds
- Input power factor correcting to 0.99
- Frequency range 60Hz, ±2.5%
- Input harmonic current distortion <5% THD
- UL 1449, ANSI,IEEE C62, 41 surge suppression
- Completely solid-state Pulse Width Modulation (PWM) inverter
- Internal, make before break maintenance by-pass
- Standard, UL 924 compliant, 90 minute battery backup
- UL 924 auxiliary equipment 10 and 20 minute backup available
- Microprocessor control and diagnostic system
- LCD readout system status panel
- Local 25 even logging/display
- User programmable automatic testing
- Load integrity testing
- Fault annunciating audible alarm
- Current limiting start sequence
- Optional output circuit breakers (OCB) and circuit breakers with trip alarm (OCBA)
- Optional normally off load (NOL) energizes only during power outage, normally off load with time delay (TDT) also available

Housing

- Free standing, NEMA 1 enclosure
- Seismic anchoring compatible
- Lockable control access panel

Applications

- The solid-state Pulse Width Modulated (PWM) inverter offers enhanced load compatibility
- Provides conditioned, uninterruptible power for other types of critical loads. Consult factory for non-lighting load applications.

Job Information **Type:**

Job Name:

Cat. No.:

Lamp(s):

Notes:

Lightolier a Genlyte Company www.lightolier.com
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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LIGHTOLIER®

System Input/Output Ratings

System Rating (kW/kVA)	5.0	7.5	10.0
Input Voltage (V) : Input Current (A)	120 : 54.6	120 : N/A	120 : N/A
	120/240 : 27.3	120/240 : 42.8	120/240 : 54.6
	277 : 23.7	277 : 36.9	277 : 47.3
	120/208 : 31.5	120/208 : 49.2	120/208 : 63.0
Output Voltage : Output Current*	120 : 41.6	120 : N/A	120 : N/A
	120/240 : 41.6/20.8	120/240 : 62.5/31.2	120/240 : 83.3/41.6
	277 : 18.0	277 : 27.0	277 : 36.1
	120/208 : 41.6/24.0	120/208 : 62.5/36.0	120/208 : 83.3/48.0
	120/277 : 29.2/12.6	120/277 : 62.5/27.0	120/277 : 83.3/36.1
OCB Pole Spaces Available			
without trip alarm	20	20	20
with trip alarm	10	10	10
Heat Rejection (Btu/hr)	2550	3830	6020
Weight			
Electronics	840	950	950
Empty battery cabinet	N/A	350	350
90 min battery	1000	1500	1680
20 min battery	350	550	1000
10 min battery	230	350	900

* Multi-voltage total loads not to exceed system rating

Warranty

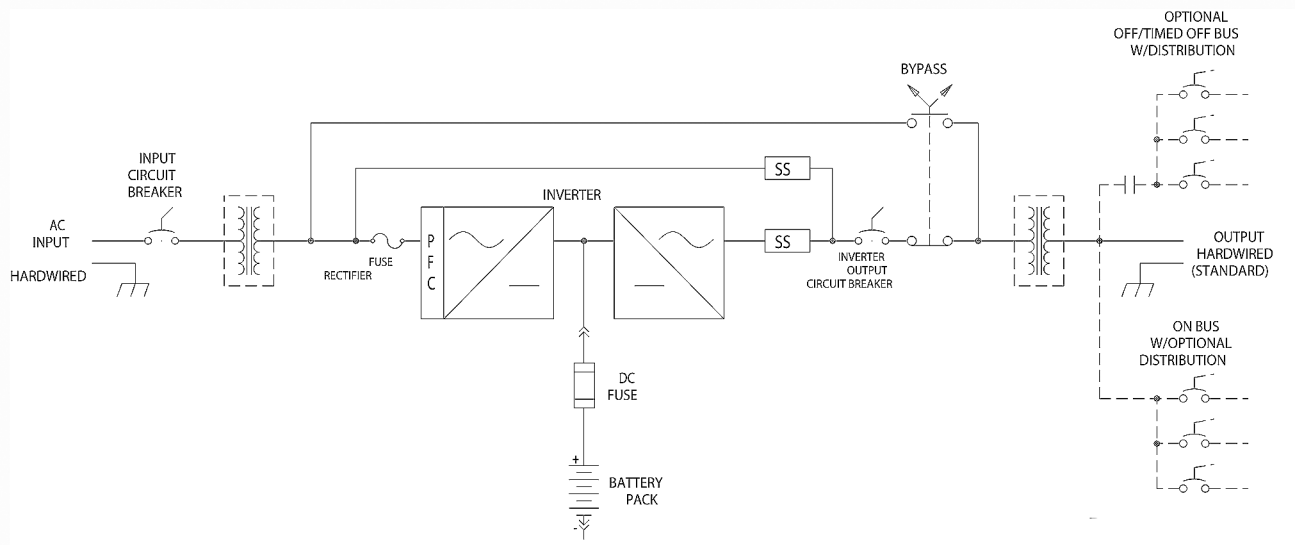
Standard Warranty

(Requires executiion of factory start-up within 120 days of shipment) Lightolier will provide parts and on-site labor for the first 12 months following start-up of the product, and parts only for an additional 12 months. If factory start-up is not executed within 120 days of shipment, Lightolier will provide a parts warranty for 12 months from the date of shipment.

Extended Warranty

Consult factory for extended warranty and service option.

System One-Line Diagram



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